



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090392

Mode: Highway

Status: Submitted

SR-1002 (Aviation Parkway)

From/Cross Street: NC 54

Specific Improvement Type: 1 - Widen Existing Roadway

To: I-40

Project Category: Division Needs

Length: 2.44

TIP#: U-3343

Fully Funded in Draft STIP? No

Cost to NCDOT: \$28,287,000

Description:

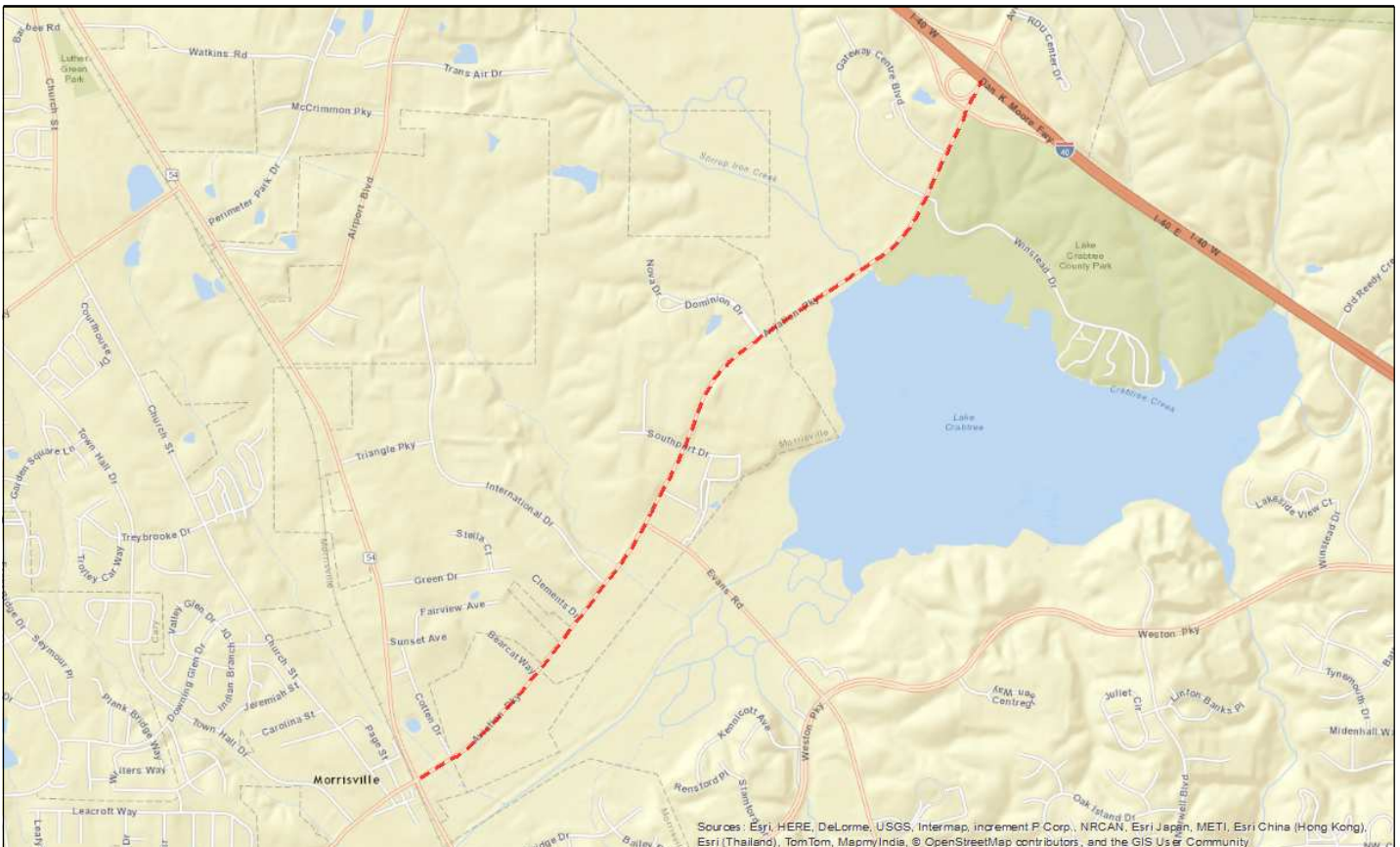
NC 54 to I-40. Widen to Multi-Lanes with interchange Modifications at I-40

Division(s): Division 5

County(s): WAKE

MPOS(s)/RPO(s): Capital Area MPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	Percent: 15% Points: 0	Percent: 15% Points: 0

Division Needs Total Score: 77.89

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 90.28 Safety (10%) 72.42 [Travel Time] Benefit/Cost (20%) 12.96 Totals: Weight: 50% Weighted Score: 27.89	Percent: 25% Points: 100	Percent: 25% Points: 100

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	45
Length (miles):	2.44
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	11
Paved Shoulder Width:	2
Roadway has Curb & Gutter?	No
Volume (AADT):	21508.28
Capacity:	15800.17
Volume/Capacity Ratio:	1.36
% Autos:	100%
% Trucks:	0%
Truck Volume:	0
Crash Density:	99.8
Crash Severity:	62.58
Critical Crash Rate:	54.92
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	53
Existing Median Type (for Cost Estimation):	TWLT
Pavement Condition Rating:	80
Actual Congested Speed:	32.72
Travel Time Index:	1.37

Project Benefits

Project Cross-Section:	4C - 4 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	2.44
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	16668490.97
Travel Time Savings for 30 Years (Autos):	16668490.97
Travel Time Savings for 30 Years (Trucks):	0
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	Yes
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 5

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 5	100%	0	100
	0%	0	0
	0%	0	0
TOTAL Division Points		0	100

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Capital Area MPO	100%	0	100
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	100

Project Cost and Source

Construction Cost:	\$25,422,000	TIP Unit
Right-of-Way Cost:	\$2,558,000	Cost Estimation Tool
Utilities Cost:	\$307,000	Cost Estimation Tool
Total Project Cost:	\$28,287,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$28,287,000	